

**EAST Search History****EAST Search History (Prior Art)**

| Ref # | Hits | Search Query   | DBs  | Default Operator | Plurals | Time Stamp          |
|-------|------|--|--|------------------|---------|---------------------|
| S1    | 1    | (10/590563).APP.   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR               | OFF     | 2010/08/26<br>12:20 |
| S2    | 6    | ((production subsea) adj tree and wing adj block and lateral near3 port  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR               | ON      | 2010/08/26<br>21:23 |
| S3    | 32   | ((production subsea) adj tree and lateral near3 port and choke   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR               | ON      | 2010/08/26<br>21:39 |
| S4    | 6    | ((("7080689") or ("20060065401") or ("20050100414")).PN.   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR               | OFF     | 2010/08/26<br>21:45 |
| S5    | 10   | ((("20030146000") or ("20030145997") or ("6321843") or ("5807027") or ("4832124")).PN.   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR               | OFF     | 2010/08/26<br>22:00 |
| S6    | 98   | ((("2233077") or ("2276883") or ("2790500") or ("3358753") or ("3688840") or ("3820558") or ("3957079") or ("4046191") or ("4099583") or ("4210208") or ("4291772") or ("4457489") or ("4503878") or ("4589493") or ("4702320") or ("4813495") or ("4832124") or ("4848475") or ("4899822") or ("5280766") or ("5299641") or ("5807027") or ("6053252") or ("6321843") or ("6457529") or ("6457530") or ("6651745") or ("6823941") or ("6966383") or ("7111687") or ("7210530") or ("7270185") or ("7569097") or ("7718676") or ("7740074")).PN. | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR               | OFF     | 2010/08/26<br>22:04 |
| S7    | 20   | ((("20030145997") or ("20030146000") or ("20040057299") or ("20050109514") or ("20040154790") or ("20050058535") or ("20050028984") or ("20070144743") or ("20080128139") or ("20090126938")).PN.  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR               | OFF     | 2010/08/26<br>22:05 |

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| S8  | 73   | {"("3101118") or ("3593808") or ("3608631") or ("4260022") or ("4405016") or ("4502534") or ("4607701") or ("4626135") or ("4646844") or ("4848473") or ("4874008") or ("5010956") or ("5143158") or ("5295534") or ("5535826") or ("5544707") or ("5868204") or ("5971077") or ("5992527") or ("6050339") or ("6109352") or ("6138774") or ("6145596") or ("6227300") or ("6296453") or ("6460621") or ("6497286") or ("6557629") or ("6612368") or ("7201229")).PN. | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | OFF | 2010/08/26<br>22:10 |
| S9  | 23   | {"("5462361") or ("5678460") or ("5719481") or ("5944152") or ("6076605") or ("6116784") or ("6123312") or ("6637514") or ("7111687") or ("7270185") or ("7740074")).PN.  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | OFF | 2010/08/26<br>22:11 |
| S10 | 12   | {"("20010050185") or ("20020000315") or ("20020070026") or ("20040057299") or ("20040251030") or ("20050173322")).PN.   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | OFF | 2010/08/26<br>22:11 |
| S11 | 16   | {"("1944573") or ("1994840") or ("2132199")).PN.  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | OFF | 2010/08/26<br>22:12 |
| S12 | 226  | S6 S7 S8 S9 S10 S11   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2010/08/26<br>22:12 |
| S13 | 4    | {"("4403658").PN.   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | OFF | 2010/08/27<br>18:00 |
| S14 | 6    | {"("2790500").URPN.   | USPAT  | OR | ON  | 2010/08/27<br>18:57 |
| S15 | 143  | {"(166/347).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | OFF | 2010/08/27<br>18:59 |
| S16 | 1263 | {"(166/368,360,344,338).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | OFF | 2010/08/27<br>18:59 |
| S17 | 441  | {"(166/347,344).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | OFF | 2010/08/27<br>19:00 |

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| S18 | 112 | {(production subsea) adj tree and lateral and choke}  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2010/08/27<br>19:03 |
| S19 | 246 | S15 S18   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2010/08/27<br>19:03 |
| S20 | 2   | {"6637514").PN.   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | OFF | 2010/08/27<br>20:04 |
| S21 | 22  | {"3101118"   "4260022"  <br>"4405016"   "4502534"  <br>"4607701"   "4848473"  <br>"4874008"   "5010956"  <br>"5143158"   "5535826"  <br>"5544707"   "5868204"  <br>"5971077"   "5992527"  <br>"6050339"   "6145596"  <br>"6227300"   "6460621").PN. OR<br>("7111687").URPN.   | US-PGPUB;<br>USPAT; USOCR                          | OR | ON  | 2010/08/27<br>20:41 |
| S22 | 42  | {"2546638"   "3115934"  <br>"3190354"   "3481395"  <br>"4491176"   "4703807"  <br>"5143158"   "5535826"  <br>"5544707"   "5865250"  <br>"5868203"   "5873415").PN. OR<br>("5992527").URPN.  | US-PGPUB;<br>USPAT; USOCR                          | OR | ON  | 2010/08/27<br>20:44 |
| S23 | 197 | {"2092261"   "3101118"  <br>"3163224"   "3209829"  <br>"3211223"   "3215203"  <br>"3259198"   "3372761"  <br>"3474857"   "3587734"  <br>"3592014"   "3603409"  <br>"3638721"   "3870101"  <br>"4046191"   "4063602"  <br>"4149603"   "4284142"  <br>"4291772"   "4405016"  <br>"4436157"   "4527632"  <br>"4531593"   "4591292"  <br>"4595343"   "4611661"  <br>"4625806"   "4629003"  <br>"4630680"   "4676696"  <br>"4784525"   "4842075"  <br>"5143158"   "5535826"  <br>"5575336"   "5868204"  <br>"5873415"   "5884706"  <br>"Re27340").PN. OR ("4813495"  <br>"5255745"   "5299641"  <br>"5971077").URPN. | US-PGPUB;<br>USPAT; USOCR                          | OR | ON  | 2010/08/27<br>21:14 |

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| S24 | 22  | ({"3705623"   "3827486"   "4887672"   "4942929"   "5085277"   "5129469"   "5213162"   "5226478"   "5255745"   "5339912"   "5341882"   "5372199"   "5544707"   "5613242"   "5662169"   "5884715"   "5971077"   "6039119").PN. OR ("6484807").URPN.                                     | US-PGPUB; USPAT; USOCR                    | OR | ON | 2010/08/27 21:29 |
| S25 | 26  | ({"3295600"   "3305015"   "3414056"   "3592263"   "3595311"   "3638732"   "3921500"   "4003428"   "4331203"   "4391330"   "4770248"   "5052941").PN. OR ("5213162").URPN.   | US-PGPUB; USPAT; USOCR                    | OR | ON | 2010/08/27 21:34 |
| S26 | 315 | (christmas xmas subsea) adj tree and choke and land\$3 and valve  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2010/08/27 21:47 |
| S27 | 122 | (christmas xmas) adj tree same subsea and choke and land\$3 and valve   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2010/08/27 21:48 |
| S28 | 83  | tree and subsea and choke and land\$3 and wing adj valve  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2010/08/27 22:07 |
| S29 | 32  | ({"3360048"   "3662822"   "4429746"   "4632188"   "4887672"   "4942929"   "5004051").PN. OR ("5085277").URPN.   | US-PGPUB; USPAT; USOCR                    | OR | ON | 2010/08/27 22:24 |
| S30 | 68  | ({"2092261"   "2546638"   "3101118"   "3115934"   "3190354"   "3211223"   "3474857"   "3481395"   "4405016"   "4491176"   "4703807"   "5143158"   "5535826"   "5544707"   "5575336"   "5865250"   "5868203"   "5868204"   "5873415"   "5884706").PN. OR ("5971077"   "5992527").URPN. | US-PGPUB; USPAT; USOCR                    | OR | ON | 2010/08/27 22:53 |

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| S31 | 60 | {"3339632"   "3347311"   "3437149"   "3486556"   "3633667"   "3638732"   "3839608"   "4080025"   "4117287"   "4154302"   "4331203"   "4363168"   "4391330"   "4411454"   "4444218"   "4462464"   "4494602"   "4525918"   "4661017"   "4682913"   "4770248"   "4804045").PN. OR ("4899822"   "5280766").URPN. | US-PGPUB; USPAT; USOCR                    | OR | ON  | 2010/08/27 23:14 |
| S32 | 60 | {"3339632"   "3347311"   "3437149"   "3486556"   "3633667"   "3638732"   "3839608"   "4080025"   "4117287"   "4154302"   "4331203"   "4363168"   "4391330"   "4411454"   "4444218"   "4462464"   "4494602"   "4525918"   "4661017"   "4682913"   "4770248"   "4804045").PN. OR ("4899822"   "5280766").URPN. | US-PGPUB; USPAT; USOCR                    | OR | ON  | 2010/08/27 23:14 |
| S33 | 37 | {"3052299"   "3298092"   "3358753"   "3481396"   "3543847"   "R026668").PN. OR ("3710859").URPN.   | US-PGPUB; USPAT; USOCR                    | OR | ON  | 2010/08/28 07:13 |
| S34 | 16 | {"3358753").URPN.  | USPAT                                     | OR | ON  | 2010/08/28 07:30 |
| S35 | 12 | {"3547189"   "3585958"   "3605415"   "3724061").PN. OR ("3953982").URPN.   | US-PGPUB; USPAT; USOCR                    | OR | ON  | 2010/08/28 07:31 |
| S36 | 15 | {"("4096192") or ("20090260831") or ("7658228") or ("4401164") or ("4721163") or ("4874009")).PN.  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2010/08/29 18:26 |
| S37 | 4  | {"("4901164") or ("4879009")).PN.  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2010/08/29 18:30 |
| S38 | 6  | {"("4401164") or ("4874008")).PN.  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2010/08/29 18:30 |
| S39 | 3  | {"4046192").PN.  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2010/08/29 18:31 |

**EAST Search History (Interference)**

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8/30/10 10:18:06 AM

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